A-01003 FIGS. 1 - 17

FIG. 1 PRIOR ART

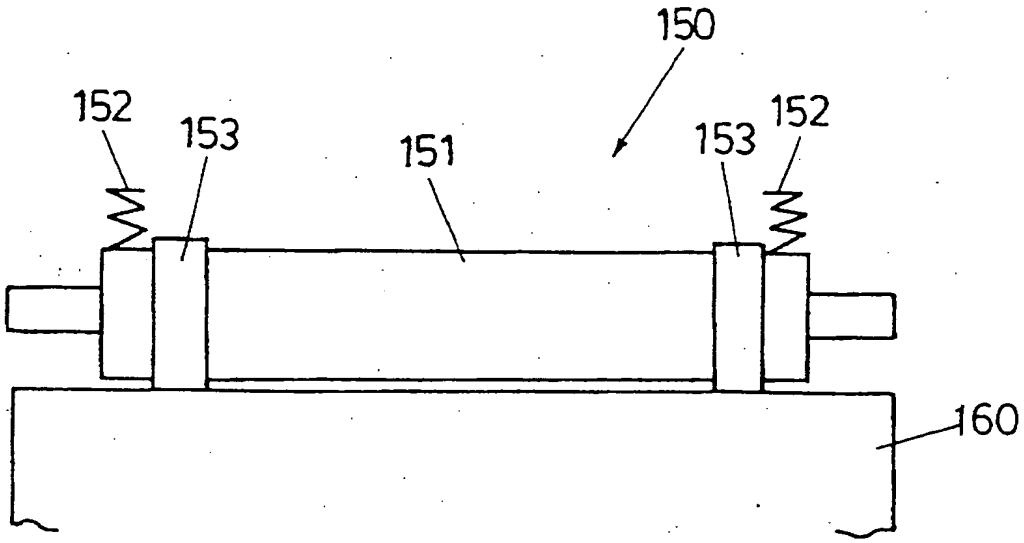


FIG. 2 PRIOR ART

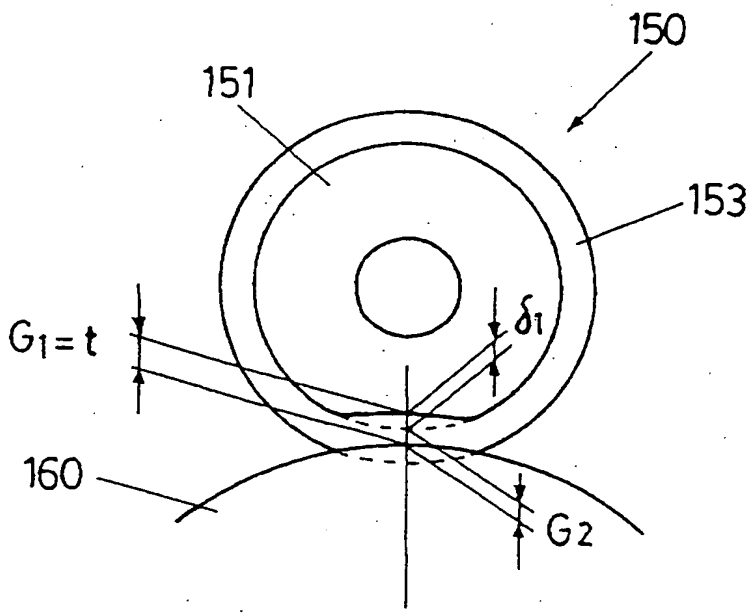


FIG. 3

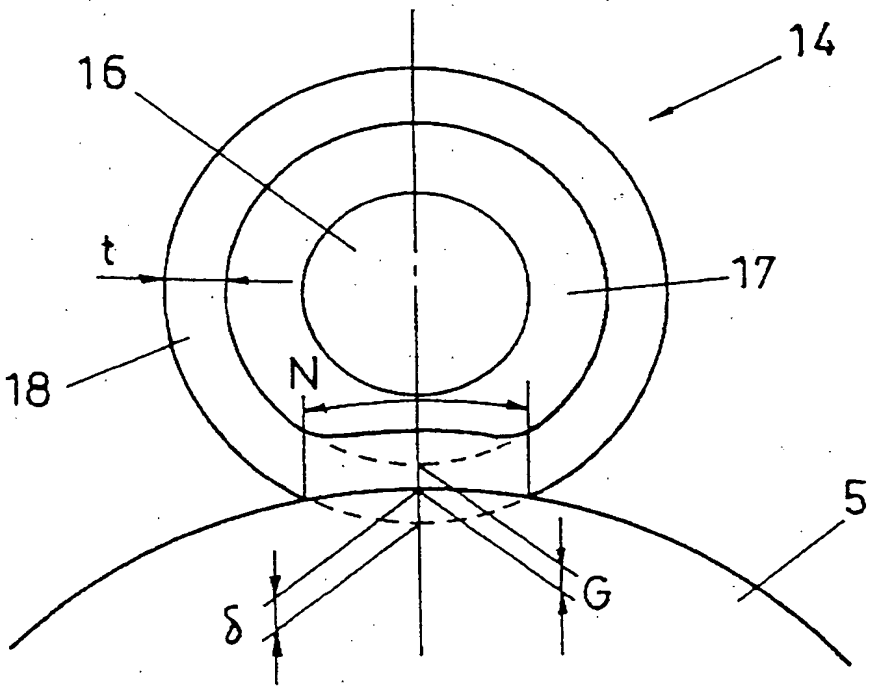
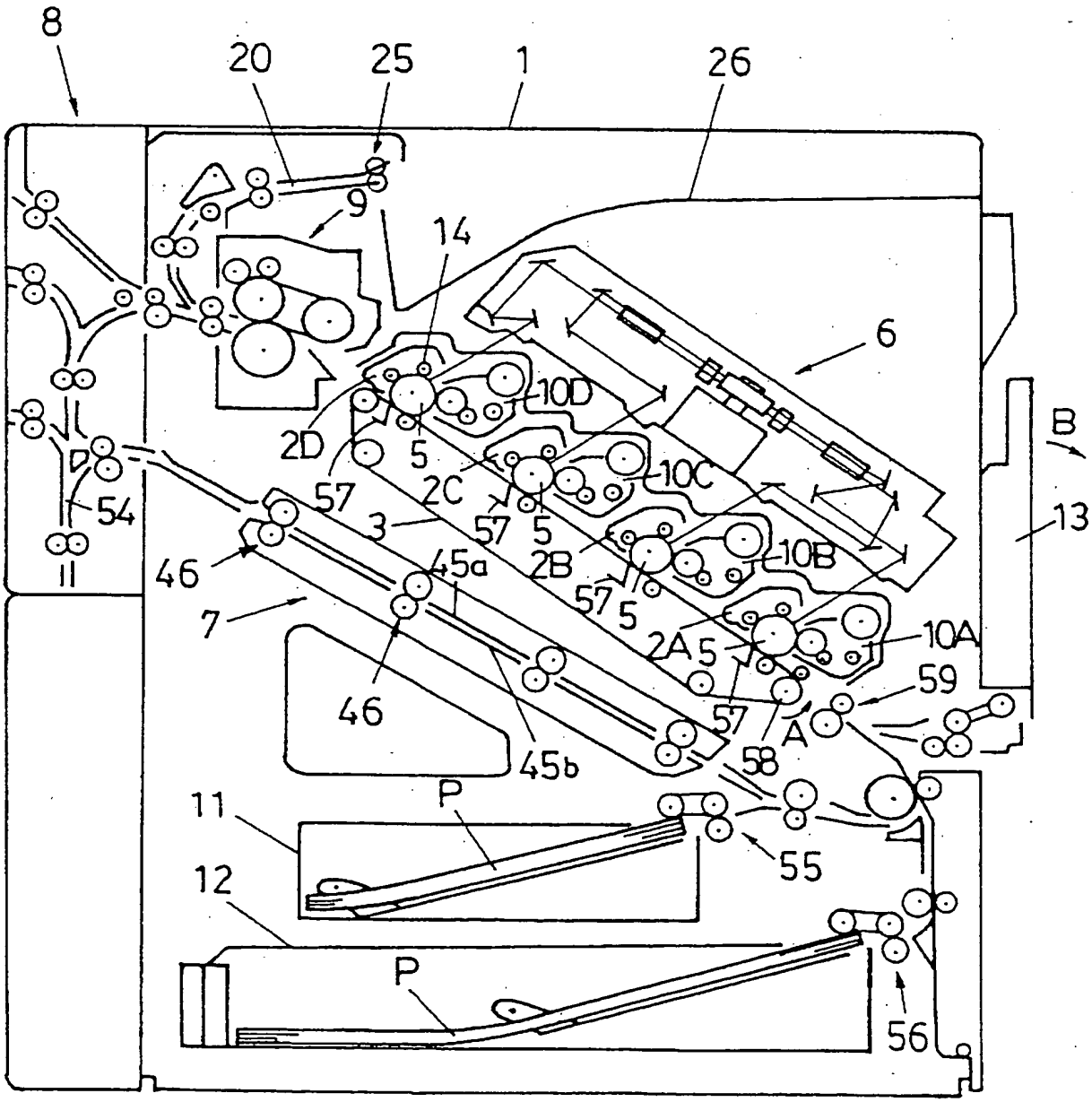


FIG. 4


8
20
25
1
26
9
14
6
10D
2D
5
2C
10C
57
3
57
5
B
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54
46
45a
2B
10B
7
57
5
2A
5
10A
59
46
57
A
45b
58
11
P
55
12
P
56

FIG. 5

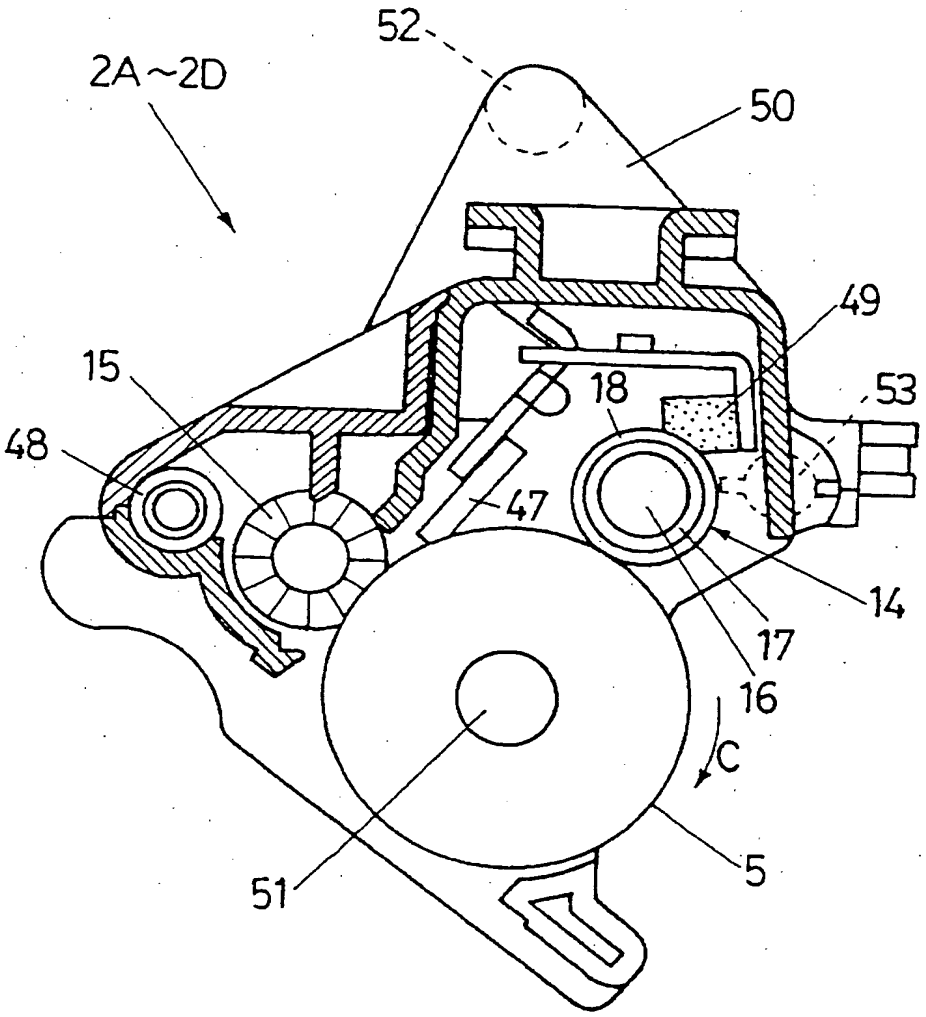


FIG. 6

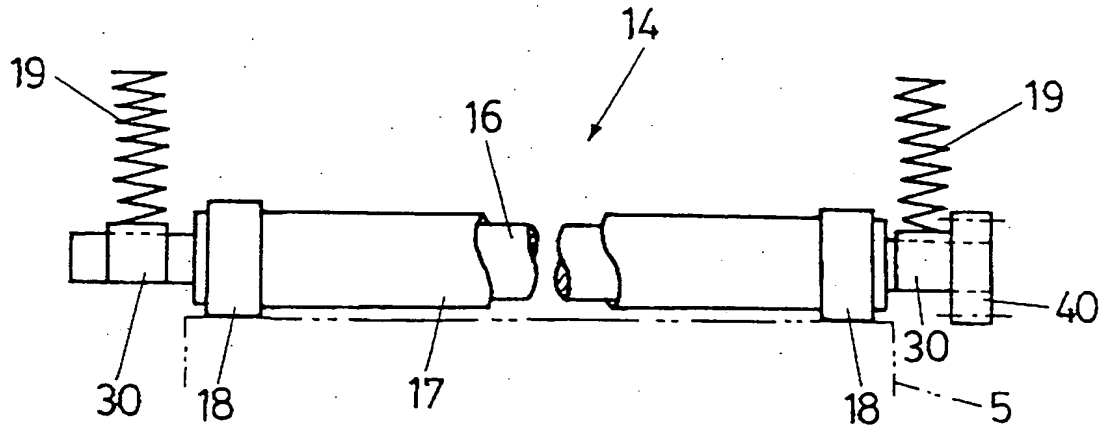


FIG. 7

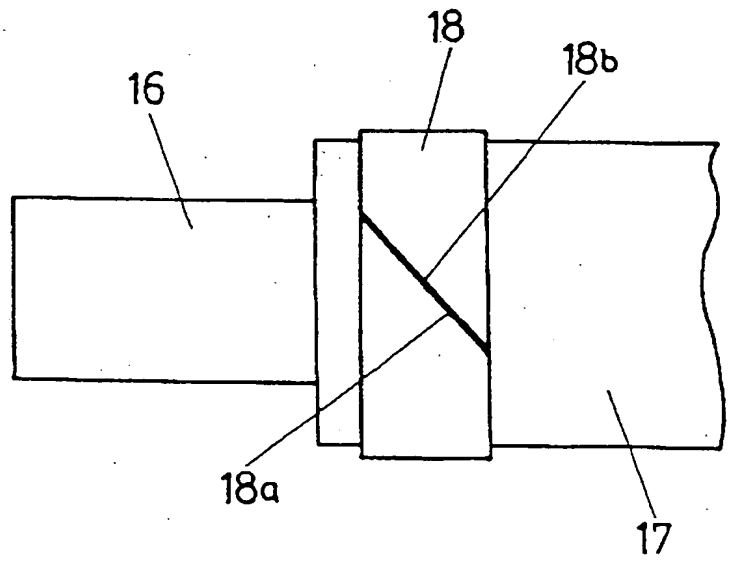
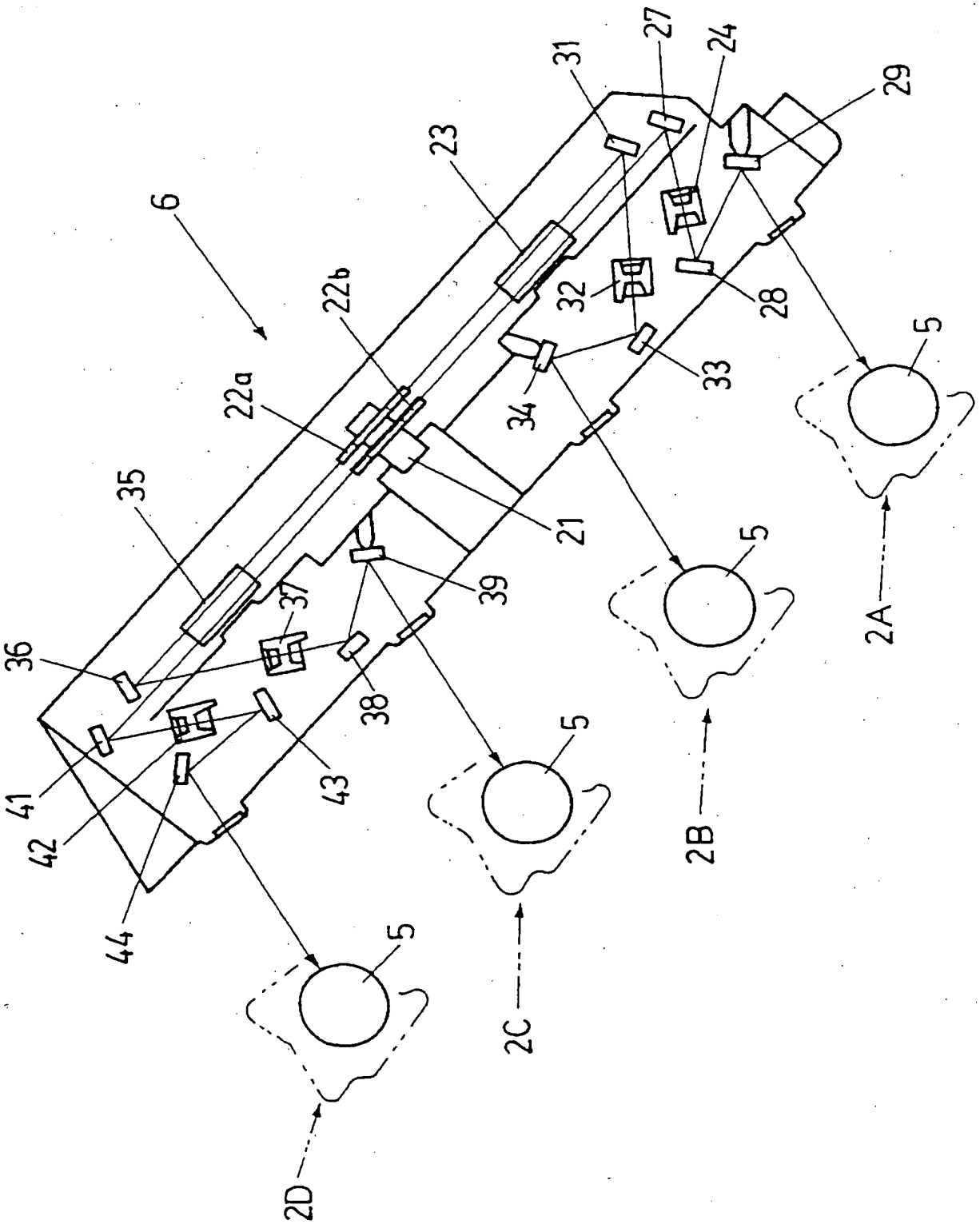


FIG. 8


6
22a
22b
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41
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2A
2B
2C
2D

FIG. 9

CHARGE ROLLER	CORE	RUBBER THICKNESS	ROLLER HARDNESS	FILM	FILM THICKNESS	FILM WIDTH
SAMPLE #1	φ 9	1.5mm	75	PF025-H	60 μm	8 mm
SAMPLE #2	φ 8	2mm	65	PF050-H	85 μm	8 mm
SAMPLE #3	φ 8	3mm	60	ABSENT; CONTACT	–	–
SAMPLE #4	φ 8	3mm	60	PF075-H	105 μm	8 mm
SAMPLE #5	φ 8	3mm	60	PF075-H	100 μm	8 mm

FIG. 10

CHARGE ROLLER	DEFORMATION	NIP WIDTH	INITIAL CHARGING ABILITY	LONG-TERM CHARGING ABILITY	INITIAL CHARGING NOISE
SAMPLE #1	20 μm	1 mm	○	○	○
SAMPLE #2	40 μm	1.4 mm	○	○	○
SAMPLE #3	—	—	○	×	×
SAMPLE #4	60 μm	1.7 mm	×	○	○
SAMPLE #5	60 μm	1.7 mm	○	○	○

FIG. 11

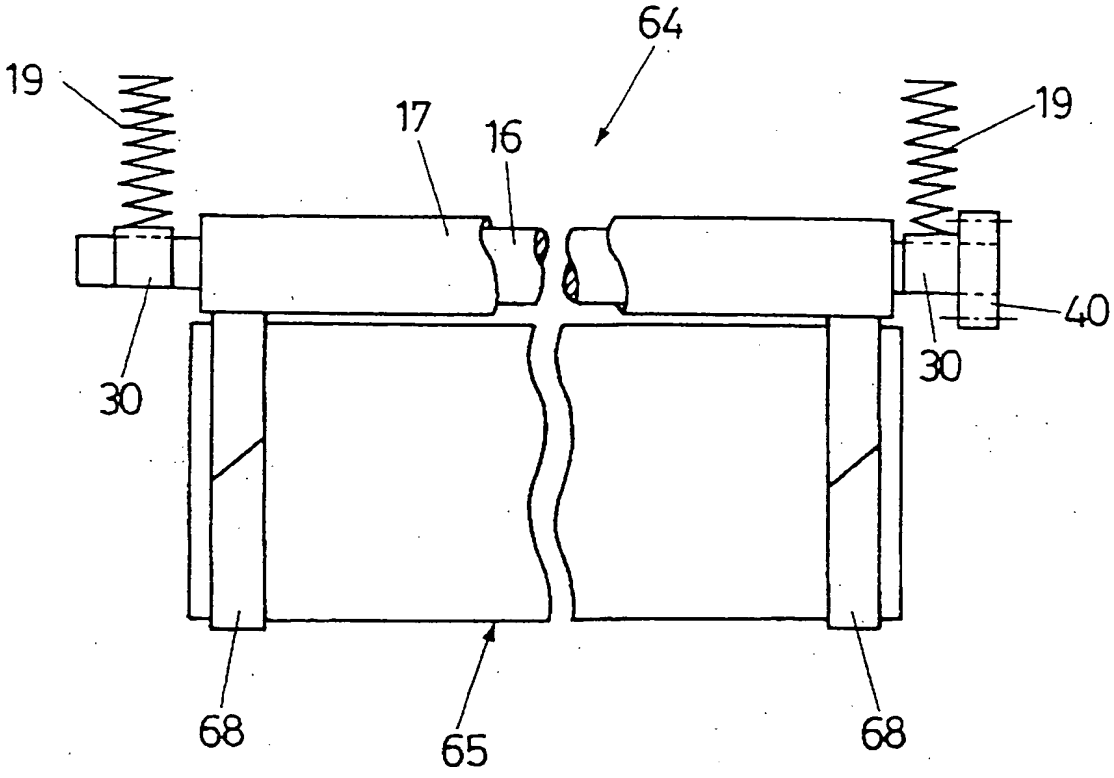


FIG. 12

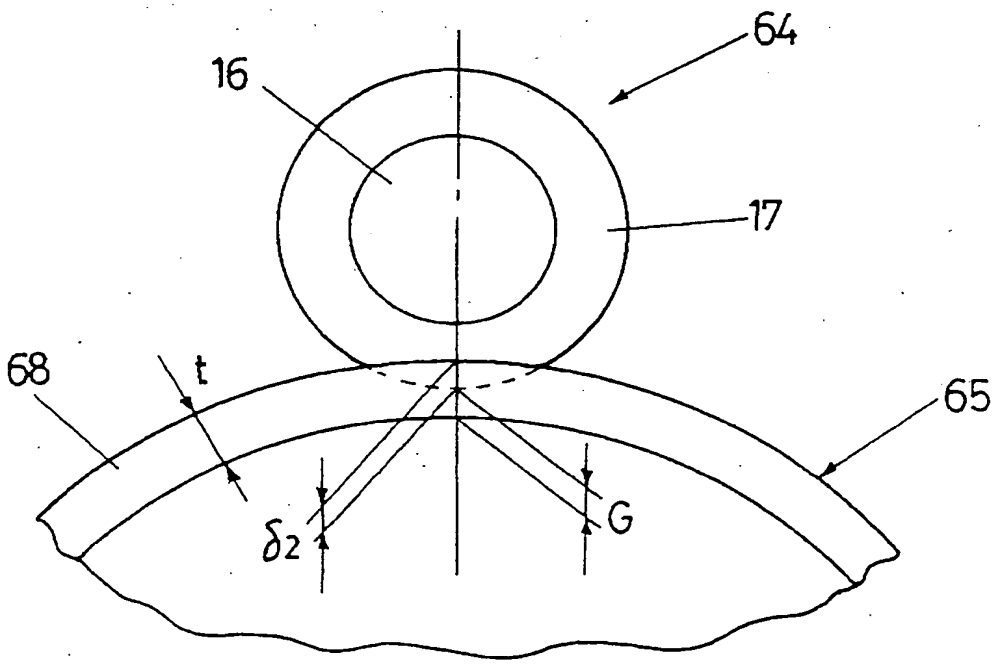


FIG. 13

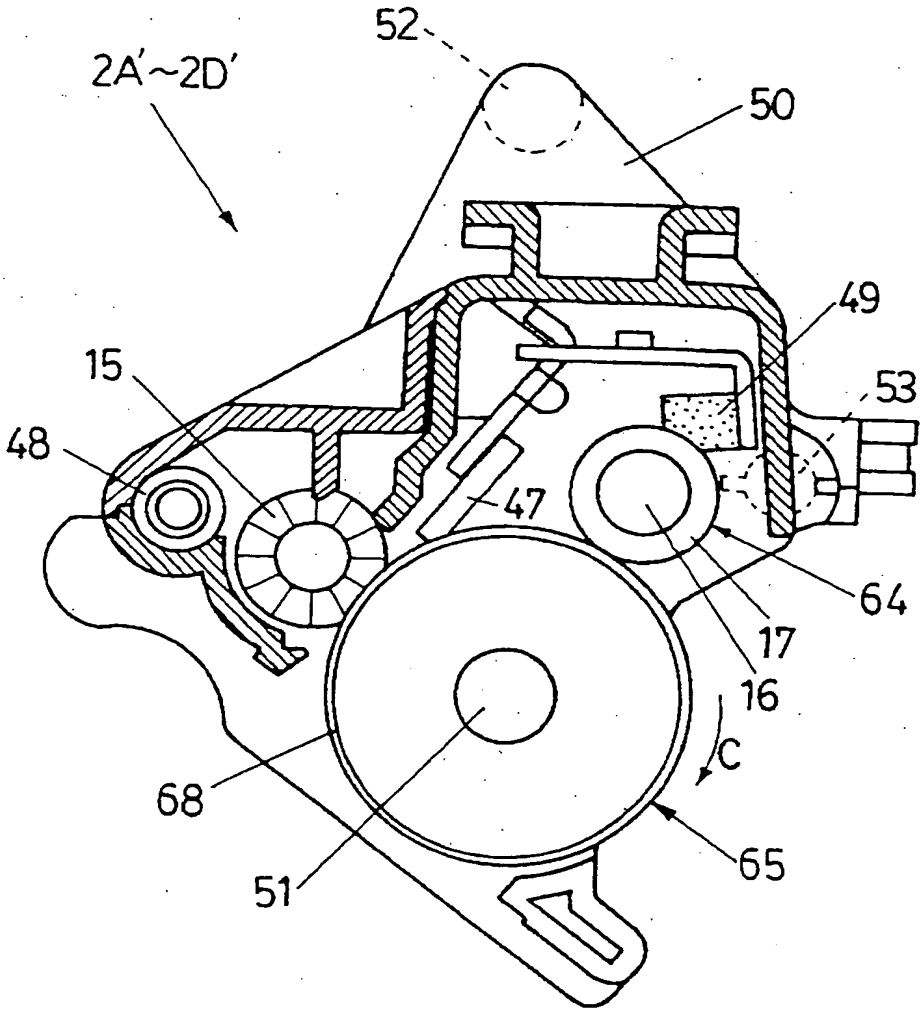
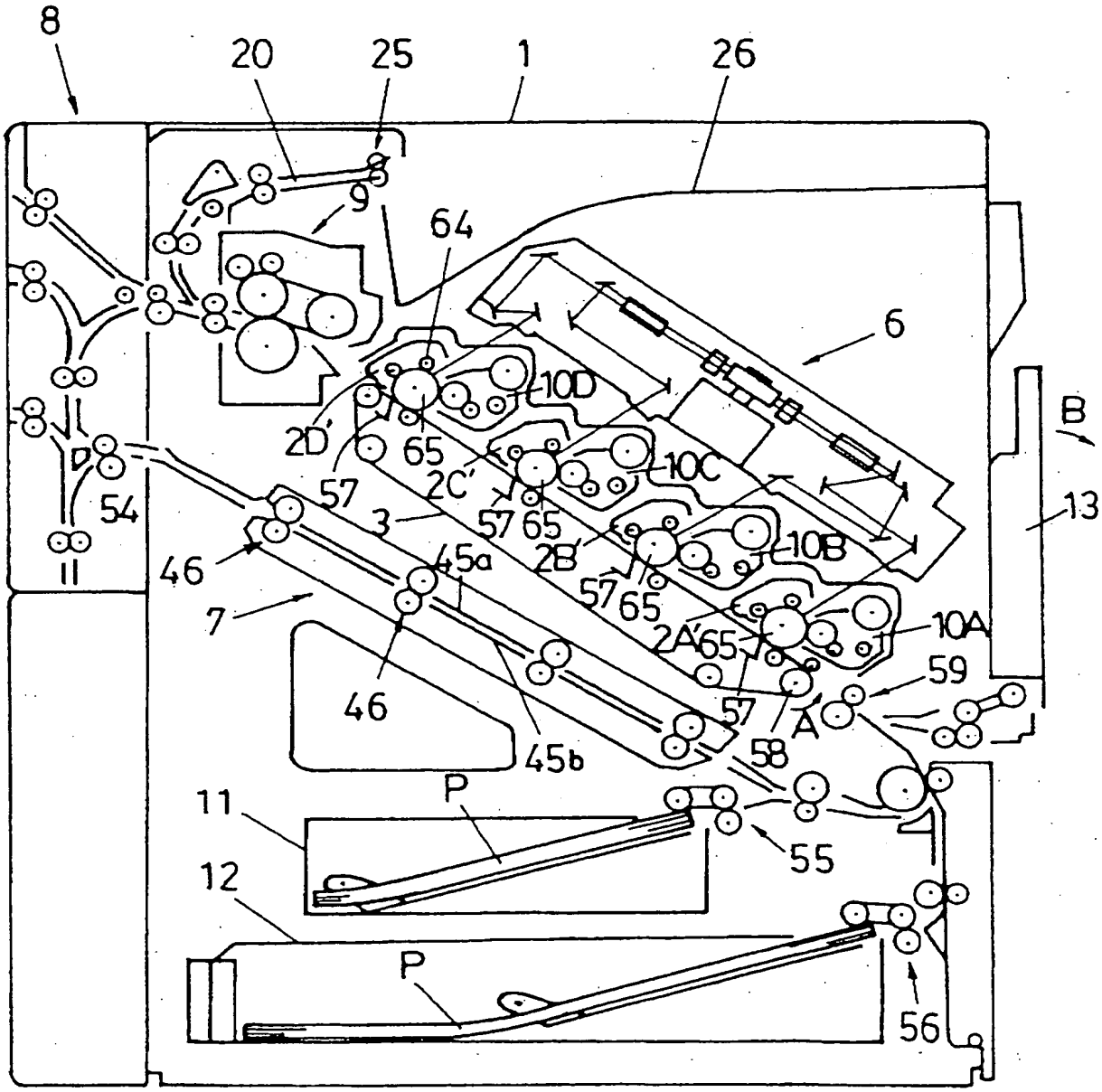


FIG. 14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10C
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10B
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46
45a
57
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2A
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10A
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46
57
A
45b
58
P
11
55
12
P
56
B
13

FIG. 15

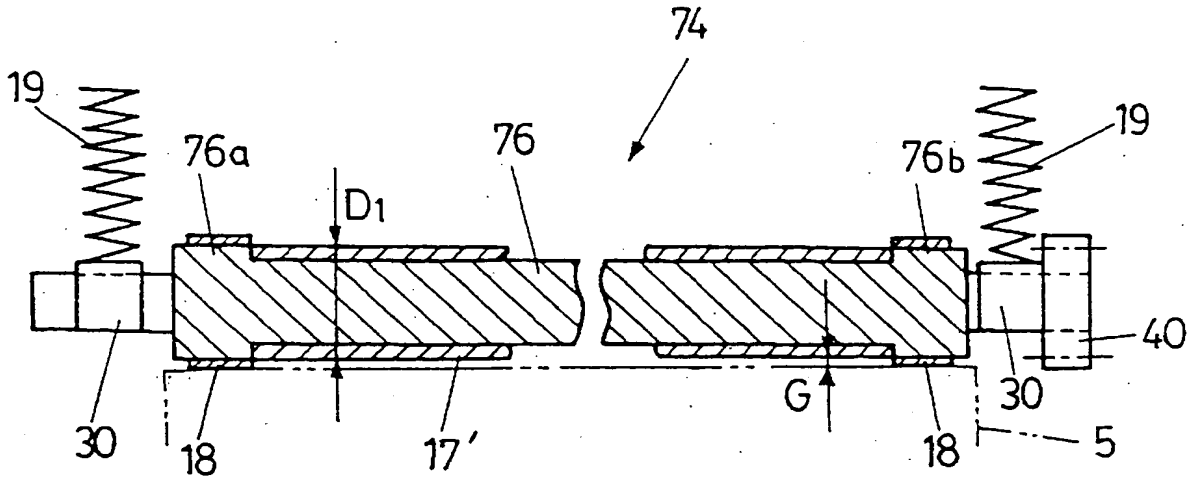

FIG. 16

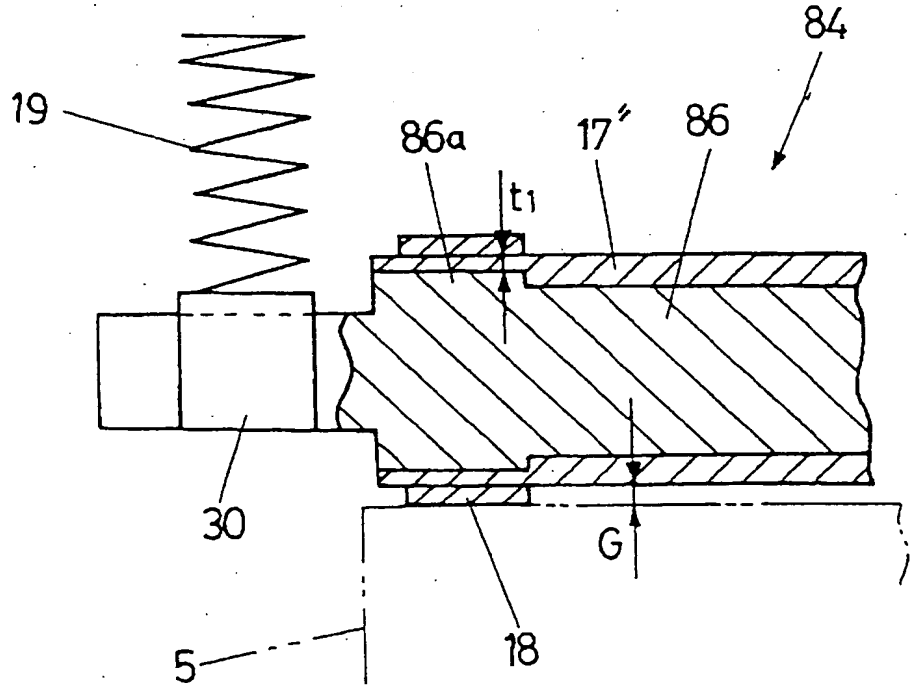

FIG. 17